

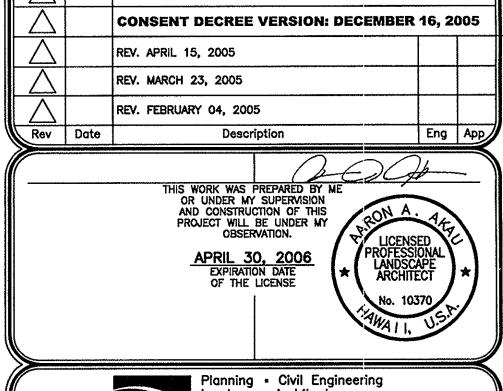
GULCH 2 STREAM

PLANTING PLAN

SCALE: 1"=30"

Remarks Caliper Height Spacing 4' SPREAD 2" 8'-10' ht. 25 gal. 6'-8' ht. 25 gal. 4' ht. 15 gal. 4' ht. 15 gal. 4' ht. 15 gal. 4' ht. 15 gai. 48" o.c. | SEE PLAN FOR PLANT TYPES 1 gal. 48" o.c. SEE PLAN FOR PLANT TYPES 1 gal. HYDROMULCH GRASS MIX Seed SEE PLANTING NOTES FOR APPLICATION RATE

- REVEGETATE ALL CONSTRUCTION AREAS NOT SHOWN ON PLAN WITH STANDARD HYDROMULCH GRASS MIXTURE.
- PROVIDE EQUAL QUANTITIES OF 1 GALLON SHRUBS FOR EACH OF THE ZONE PLANTING AREAS.
- 5. FOR ZONE 2 PLANTING, PLANT 1 GALLON SHRUBS @ 48" O.C. IN A STAGGERED DOUBLE ROW.
- 6. SEE SHEET L-2 FOR TYPICAL CROSS SECTION THRU STREAM ZONE AND ZONE 2 PLANTING.
- 4. NEXT DAY, HYDRO-SEED GRASS MIXTURE (COMMON BERMUDA, ANNUAL RYEGRASS) AND ANOTHER APPLICATION OF GYPSUM BASED LAND PLASTER/GEOBINDER, ORGANIC
- 5. NEXT DAY, FOLLOWING GRASS HYDRO-SEEDING, APPLY ANOTHER LAYER OF GYPSUM BASED_LAND PLASTER/GEOBINDER, ORGANIC STARCH BASED TACKIFIER, AND



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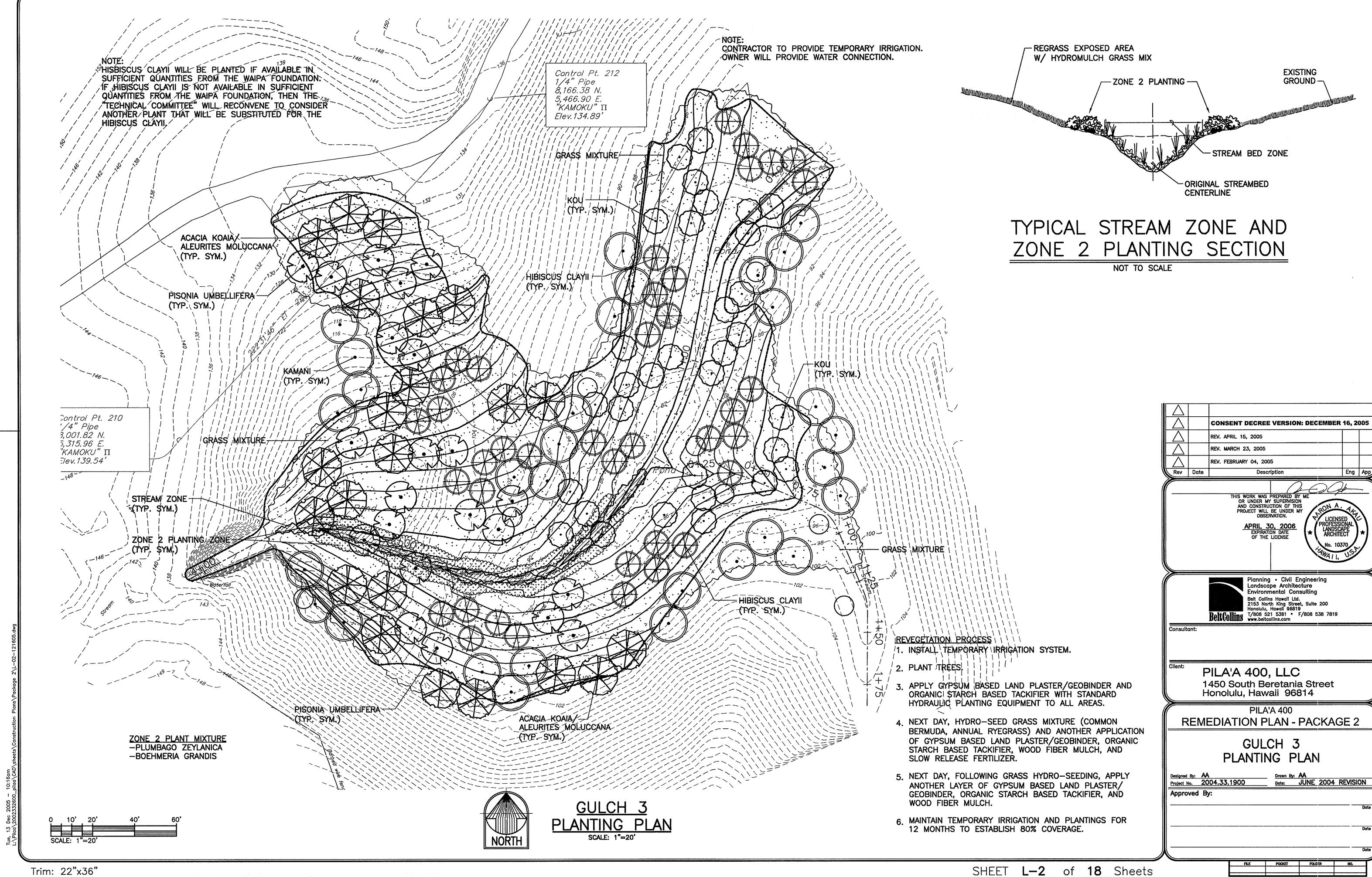
PILA'A 400 REMEDIATION PLAN - PACKAGE 2 GULCH 2 STREAM PLANTING PLAN

Designed By: AA	<u>Drawn By:</u>	AA		
Project No. 2004.33.1900	Date:	JUNE	2004	REVISION
Approved By:				
				Dat
				Dat

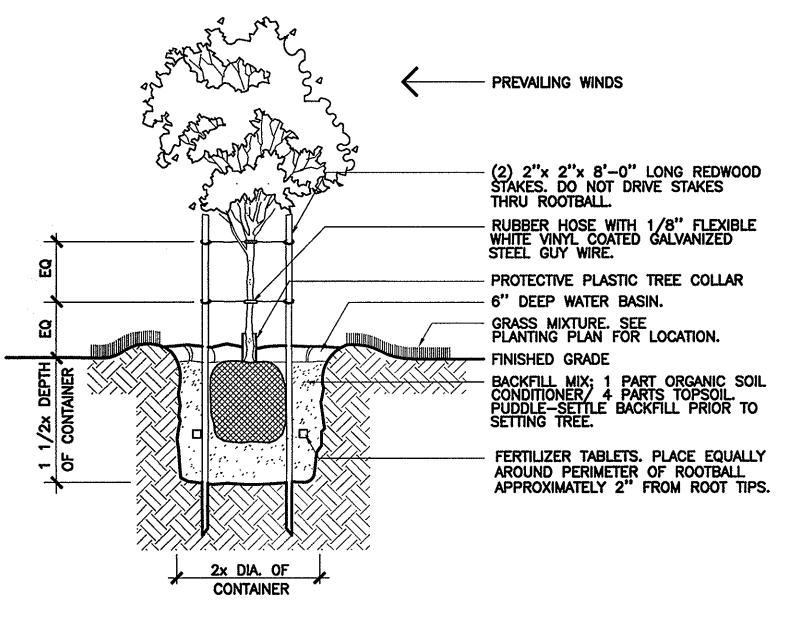
CONTRACTOR TO PROVIDE TEMPORARY IRRIGATION.
OWNER WILL PROVIDE WATER CONNECTION. HISBISCUS CLAYIL WILL BE PLANTED IF AVAILABLE IN SUFFICIENT QUANTITIES FROM THE WAIPA FOUNDATION. IF HIBISCUS CLAYII IS NOT AVAILABLE IN SUFFICIENT QUANTITIES FROM THE WAIPA FOUNDATION, THEN THE "TECHNICAL COMMITTEE" WILL RECONVENE TO CONSIDER ANOTHER PLANT THAT WILL BE SUBSTITUTED FOR THE HIBISCUS CLAYII.

Trim: 22"x36"

SHEET L-1 of 18 Sheets

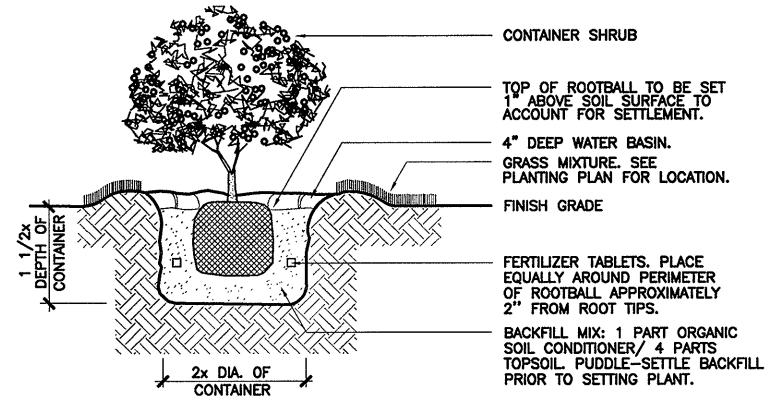


SHEET <u>L-2</u> of <u>18</u> Sheets



CONTAINER TREE

1 PLANTING & STAKING DETAIL
L-3 NOT TO SCALE



2 SHRUB PLANTING DETAIL L-3 NOT TO SCALE

LAN	DS	CAPE MATERIAL LIST FOR	R GULCH 3 STREAM					
Qty		Botanical Name	Common Name	Size	Caliper	Height	Spacing	Remarks
TREES	<u> </u>							
32	ea	CORDIA SUBCORDATA	Kou	25 gal.	2*	8'-10' ht.		4' SPREAD
6	ea	ALEURITES MOLUCCANA	Kukui	15 gal.		4' ht.		
16	ea	ACACIA KOAIA	Koaia	15 gal.		4' ht.		
39	ea	HIBISCUS CLAYII	Hibiscus clayii	15 gal.		4' ht.		
22	ea	PISONIA UMBELLIFERA	Papala kepau	15 gal.		4' ht.	•	•
30	ea	CALOPHYLLUM INOPHYLLUM	Kamani	25 gal.	2*	8'-10' ht.		4' SPREAD
SHRUBS								
		STREAM ZONE	Stream zone	1 gal.	-	•	48" o.c.	SEE PLAN FOR PLANT TYPES
164	ea	ZONE 2	Zone 2	1 gal.		•	48" o.c.	SEE PLAN FOR PLANT TYPES

GRASS				
49,000	sf CYNODON DACTYLON, LOLIUM MULTIFLORUM	Grass Mix (Common Bermuda, & Annual Ryegrass)	Seed	HYDROMULCH GRASS MIX SEE PLANTING NOTES FOR APPLICATION RATE

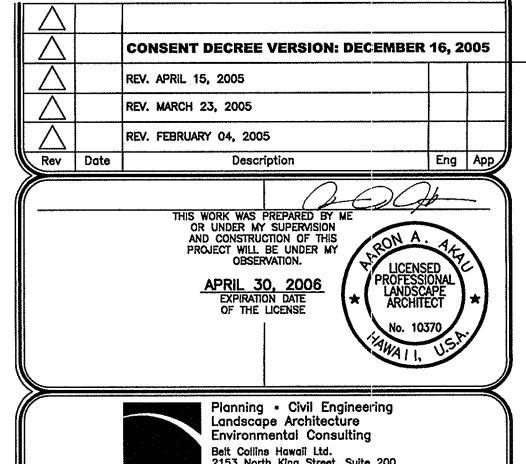
PLANTING NOTES

- 1. GRASS MIXTURE WILL CONSIST OF:
 ANNUAL RYEGRASS 3 LBS. PER 1,000 S.F.
 COMMON BERMUDA 4 LBS. PER 1,000 S.F.
- 2. HYDRO MULCH GRASS MIXTURE THROUGHOUT LIMIT OF CONSTRUCTION AREAS.
- 3. REVEGETATE ALL CONSTRUCTION AREAS NOT SHOWN ON PLAN WITH STANDARD HYDROMULCH GRASS MIXTURE.
- 4. PROVIDE EQUAL QUANTITIES OF 1 GALLON SHRUBS FOR ZONE 2 PLANTING AREAS.
- 5. FOR ZONE 2 PLANTING, PLANT 1 GALLON SHRUBS @ 48" O.C. IN A STAGGERED DOUBLE ROW.

REVEGETATION PROCESS

- 1. INSTALL TEMPORARY IRRIGATION SYSTEM.
- 2. PLANT TREES.
- 3. APPLY GYPSUM BASED LAND PLASTER/GEOBINDER AND ORGANIC STARCH BASED TACKIFIER WITH STANDARD HYDRAULIC PLANTING EQUIPMENT TO ALL AREAS.
- 4. NEXT DAY, HYDRO-SEED GRASS MIXTURE (COMMON BERMUDA, ANNUAL RYEGRASS) AND ANOTHER APPLICATION OF GYPSUM BASED LAND PLASTER/GEOBINDER, ORGANIC STARCH BASED TACKIFIER, WOOD FIBER MULCH, AND SLOW RELEASE FERTILIZER.
- 5. NEXT DAY, FOLLOWING GRASS HYDRO—SEEDING, APPLY ANOTHER LAYER OF GYPSUM BASED LAND PLASTER/GEOBINDER, ORGANIC STARCH BASED TACKIFIER, AND WOOD FIBER MULCH.
- 6. MAINTAIN TEMPORARY IRRIGATION AND PLANTINGS FOR 12 MONTHS TO ESTABLISH 80% COVERAGE.

NOTE:
HISBISCUS CLAYII WILL BE PLANTED IF AVAILABLE IN
SUFFICIENT QUANTITIES FROM THE WAIPA FOUNDATION.
IF HIBISCUS CLAYII IS NOT AVAILABLE IN SUFFICIENT
QUANTITIES FROM THE WAIPA FOUNDATION, THEN THE
"TECHNICAL COMMITTEE" WILL RECONVENE TO CONSIDER
ANOTHER PLANT THAT WILL BE SUBSTITUTED FOR THE
HIBISCUS CLAYII.



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PILA'A 400
REMEDIATION PLAN - PACKAGE 2
GULCH 3
PLANT LIST.

PLANT LIST, DETAILS, AND NOTES

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SHEET L-3 of 18 Sheets

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Trim: 22"x36"